

Department of Public Works and Transportation
Montgomery County, Maryland

DIVISION OF SOLID WASTE SERVICES



***MONTHLY REPORT
JANUARY 2001***



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OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the current month, during the fiscal years to date (FY Total), and during the current calendar month in the two prior fiscal years. (County fiscal year 2001 began July 1, 2000.)

FACILITY	Jan FY 01	FY 01 Total	Jan FY 00	Jan FY 99
Materials Recycling Facility ⁽¹⁾	7,093 tons	46,833 tons	4,087 tons	4,668 tons
Brunswick Landfill Facility ⁽⁴⁾	9,410 tons	85,244 tons	8,978 tons	11,156 tons
American Ash Recycling ⁽²⁾	3,173 tons	20,082 tons	2,773 tons	N/A
Resource Recovery Facility ⁽³⁾	41,013 tons	305,247 tons	37,431 tons	38,072 tons
Yard Trim Compost Facility	69 tons	38,333 tons	205 tons	469 tons

⁽¹⁾For FY00, MRF tons reported are outgoing. For previous years, incoming was reported.

⁽²⁾Tons shipped out to ash recycling facility during the indicated period. All tons so shipped are recycled.

⁽³⁾RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. For FY00, these tonnages are preliminary, with adjustments made in the December and June monthly reports.

⁽⁴⁾This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled at Clean Rock or other locations.

Revenue Analysis and Systems Evaluation – During January, program staff continued to fill-in successfully for a vacant senior budget analyst. Interviewed candidates for that position. Provided internal review of monthly tonnage numbers, and began compiling data from six-month hauler reports received. Modified rate model per OMB requests in connection with the FY02 budget. Prepared text documentation of the entire Rate Model and shipped it to the outside financial consultant for independent review. Handled routine level of solid waste billing inquiries. Provided additional review and discussion with statistician completing non-residential waste generation study. Continued work on semi-automated and automated collection study, and cost/revenue analysis on the variable rate options including direct discussions with one of the bond rating agencies. On the personnel front, we welcomed Jeanne Risher who accepted our Administrative Specialist II position who immediately began work on modernizing the hauler billing system. Finally, our new Program Specialist completed most of the necessary training on county mainframe system, entered quarterly billing code for 477 new properties and changed billing codes for 656 homes slated to come into the County Refuse Collection Service.

CITIZEN COMMITTEES

Facilities Implementation Group (FIG) – There was a FIG meeting on January 16 2001. FIG had their annual meeting with the County Executive on January 18th 2000. The next schedule FIG meeting is March 20, at 7:30 p.m. at the Gothic Barn.

Solid Waste Advisory Committee – SWAC met Tuesday, January 9, at the Executive Office Building, Lobby Conference Room. Ten SWAC members, three County staff and one guest were in attendance. County staff briefed the committee on Systems Benefit Charge, System Evaluation (Recycling Rate) and Variable Rate Update. The SWAC Prospective Member Interviewing Subcommittee's recommended new and renewal members were appointed by the County Executive and forwarded to the County Council for confirmation.

COLLECTIONS

Refuse – Refuse collections went as scheduled with no disruptions to service. The Martin Luther King Holiday on Monday, January 15, 2001, which is a 'working' Holiday for the collection crew, caused some confusion with the residents but all problems were worked out to the satisfaction of the customer. However, it does emphasize the need to continue to publicize our Holiday Schedule at every opportunity.

Recycling- January is Christmas Tree Recycling month and the companies adjusted their resources and handled this seasonal chore very efficiently.

Contractor Performance – During the month of January 2001, there were only 7 complaints not resolved by the contractors. The County corrected all of the issues. The number of complaints received in January 2001 totaled 645. This represents a 178% increase from January 2000, which had 236 complaints. Quality control measures are in the planning stages now that will include County personnel training contractor supervisors for improved reporting of completed routes. With the never-ending problem of new drivers, the contractor supervisors have to improve on their methods of monitoring performance.

Enforcement Actions – For the month of January 2001, 15 citations were issued in the amount of \$8,250.00 for violations of the County Solid Waste Laws. Four citations were issued for not having a suitable tight-fitting cover in the amount of \$2,250.00. Seven citations were written for not having a current collections tag attached to the vehicle in the amount of \$3,750.00. One citation for depositing solid waste on property of another in the amount of \$500.00. Three citations for collecting solid waste before 7:00am in the amount of \$1,750.00. There were a total of 27 NOV's issued for not having loads covered.

Customer Service – For the month of January 2001, there were 6,433 incoming calls with 695 follow-up calls as a quality control check. There were also 114 other miscellaneous services handled by the Customer Service Staff. There were 1,342 blue bins delivered for the month of January and 308 e-mail request handled by the Customer Service Staff.

Volunteer Activities- January was a quiet month for the volunteer program with only 17 hours of service being performed. Volunteer staff has been working on the development of a list of service stations that will allow residents to drop off oil and anti-freeze. We are also updating the master list of all Homeowner and Civic Associations, making contacts and determining if their newsletter could be used for additional recycling outreach.

WASTE MINIMIZATION

Drop-off Programs – The Use-It-Again guide will soon be available on the internet.

While a new computer recycling program allowing receipt of computers and computer-related equipment seven days a week will begin in March, we have continued to accept computer equipment in January. Approximately two tons of computers were recycled in January.

Department of Environmental Protection's Home Composting and Source Reduction Activities-

Composting presentations were made to Master Gardeners and Sandy Spring Garden Club.

A new large-scale worm composting system is being developed for two new schools: Garrett Park Elementary and Woodfield Elementary; in addition, traditional composting displays will be established in both schools' outdoor and environmental discovery courtyard areas.

We have worked with students and a Boy Scout Troop at Poolesville High School to develop a large outdoor composting display area featuring permanent signage and a variety of composting bins and approaches.

Print advertising promoting the website continues in both the *Journal* and *Gazette Newspapers*; "The Green Man" column continues in the *Gazette*. The website itself now features a dynamic search engine which allows tracking of keywords and phrases, which will be instrumental in developing new resources for visitors and promoting specific pages more effectively.

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste Collection – In January, 65 citizens came to the Transfer Station to drop off household hazardous waste. The next scheduled HHW event will be on March 11, 2001 at the Transfer Station.

Small Quantity Generator (Ecowise) Program- One Ecowise event was held in January. Nine companies attended.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility (RRF): CEM Tracking of RRF Operations – In January 2001, the Continuous Emissions Monitoring System (CEM) indicated that unit #2 and unit#3 have been operating at nearly 100% load continuously until the end of January. In January, there were no equipment malfunctions that affected unit operations or stack emissions.

Ogden submitted to the County a report containing results from the November 2000 stack tests. A careful review of the results indicated that stack emissions of all pollutants are far below MDE's Air Quality Permit limits. Additionally, the RATA (Relative Accuracy Testing Audit) indicated that the CEM system is operating in accordance with permit requirements.

In the first week of January, the set of ten CEM CDROMS was updated to include CEM data up to December 31, 2000. Copies of the CD-ROMs were placed in the Rockville and Poolesville libraries and distributed to DSWS staff, SWAC and FIG.

Oaks Landfill Energy Recovery Facility: Leachate Evaporation Technology – In January, the Leachate Thermal Treatment System (LTTS) operated for 22 days, evaporating, on the average, eight gallons per minute. A meeting was held with BENTECH on January 24 to discuss the progress in the firm's negotiations in exploring financial viability for implementing a pipeline-quality gas project or an electricity-generating project. DSWS understands that the firm is currently discussing with Southern Energy for implementing an electricity-generating project at the Oaks. The negotiation process may take several months.

Yard Trim Composting Facility: Consent Agreement Evaluation – In January, DSWS received a response from the Maryland Department of Environment (MDE) on the draft report for the water quality-sampling program that was submitted to the Agency in September 2000. The Agency stated that submission of the report fulfills the requirement of the Consent Agreement, and MDE staff will get in touch with DSWS in a few weeks to schedule a meeting to discuss future actions. Under the Consent

Agreement, the facility will have to comply with the Discharge permit limits from June 1, 2000 till the end date of the Consent Agreement, which is June 1, 2001.

Facilities Implementation Group (FIG) Air Quality Subcommittee - Four members (Brad Crispell, Abby Lindstrom, Mickey Lynn and Mort Goldman) of the FIG Air Quality Subcommittee attended the FIG meeting on January 16, 2001. Dr. Goldman presented the committee's recommendations for future multimedia monitoring. The recommendations stated that the Air Quality Committee agreed with ENSR's recommendations that the County conduct air media monitoring once in 5 years. However, the committee disagreed with ENSR's recommendation that the non-air media monitoring be conducted once in 10 years. The committee recommended that non-air media monitoring be conducted once in 3 years because crops and other food products, which are monitored in the non-air media program, are more of a concern to the people from a public health perspective than air media. The recommendations stated that hay, milk and fish (if available) be sampled and analyzed for a selected number of organics and trace metals, and the sampling be done at two locations, one at the maximum impact location and the other at a control location. The committee also recommended that the air sampling be done at a maximum impact location and control location, and the samples be analyzed for the same chemicals as the non-air samples. FIG voted to adopt the committee's recommendations.

Because the last non-air media sampling was done in 1997-98, DSWS is currently planning to conduct the next sampling program in Summer-Fall 2001.

Contractual Work – Based on the advice of the County's Health Officer, Dr. Carol Garvey, further work on the Epidemiology task was suspended indefinitely. DSWS asked ENSR to submit the existing Draft Report for County's review.

Weston submitted a Draft Report on the data sampled on the walls of the RRF and Transfer Station (T/S). DSWS is currently reviewing the report.

RECYCLING

Public Outreach –The 2001 recycling information and outreach calendar mailing generated a number of e-mails, letters and phone calls. Many people expressed appreciation for the updated information and others requested additional copies of the calendar. Some asked about the cost of the calendar, which was \$.51 per calendar.

The RFP for Recycling/Solid Waste Public Outreach and Education is under final review.

Interviews on recycling were taped for News Channel 8 and for COMCAST's Local Edition.

Work continues on the new multi-media advertising campaign for recycling. The campaign will include: print, tv, radio, and transit advertising.

Also, DSWS continues working closely with the County's Division of Facilities and Services, Montgomery County Public Schools, several property management companies, and others to improve recycling awareness and activity. Staff is involved in many activities and events in the community to increase recycling awareness.

Commercial Recycling and Waste Reduction-Staff continued to deliver customized service to the business sector. Staff has mailed the annual report form to all businesses with 100 or more employees, and the shorter recycling report form to all other businesses. Many completed forms are being faxed and mailed in by businesses, and the information is helpful in documenting information about underreported and unreported recycling. It is also be useful in identifying those businesses that need assistance.

As a result of the mailing, there has been a significant increase in the number of phone calls from businesses with inquiries about the business recycling requirements or the report forms.

In addition, the media campaign reminding businesses in the County of the regulatory requirements has begun airing. This campaign will continue until April. Another campaign, expressing what the SORRT Program can do for businesses, is in the initial phase of development. The campaign is generating many inquiries.

Multi-Family Recycling- Staff continued to perform on-site evaluations of recycling programs, and work with property managers and residents to provide assistance and support. Staff continued to assist properties that were not in compliance with the County's regulation.

Work has begun on an awards program for multi-family properties and property managers. Nomination forms have been developed, and are being mailed out. Planning is beginning for workshops for property managers. Radio spots and print advertisements are in the initial phases of development. They will serve as reminders of the regulatory requirements for multi-family recycling. Annual report forms will be mailed to properties, and will be due April 30.

Mixed Paper Recycling- Mixed paper is a major subject included in the new multi-media advertising campaign. Staff continues monitoring the amounts of mixed paper being recycled in each area, to troubleshoot and provide additional education to those low performance areas. Several initiatives are underway to serve under-performing areas, including developing and distributing additional educational materials in English as well as other languages, having community events where staff can provide additional recycling outreach and educational materials, and others.

PILOT PROGRAMS

Mixed Paper Pilot – Plans are moving forward to purchase additional totters for a pilot study of an entire route of approximately 850 homes. Waste Management has agreed to fit some of their trucks with lifts to accommodate the totters and we hope to have this in place during the spring of the year.

Tubgrinding Pilot – Tubgrinding of screened reject material began on August 22, 2000 and ended at the end of September with 5,205 yards of material being processed. At the end of January, there were 8,154 yards of material to be processed. Processing of the material began on February 1, 2001. About 200 yards of material is being produced per day.

Ash Recycling Pilot – Ash recycling continues without incident.

FACILITY ACTIVITIES

Resource Recovery Facility - The Facility operated with two units at 100% load for the month. On January 30, the third unit was brought on line and operated at 100% load. The other two units were reduced to 70% load for refuse pit management.

There were no minimum or maximum utility generation alerts.

There were no reportable air or water quality environmental excursions in the month.

The following reports were submitted:

- December Water Supply Report to MDE.
- Fourth quarter NPDES report and Operations Emissions report to MDE.
- Revised annual air testing report and second semi-annual report to MDE.
- Updated County CD-ROM's emission data.
- Letter to MDE regarding the sandblasting, maintenance, and testing of the ID and reverse air fans of unit #1.

Ogden's environmental engineer was present periodically throughout the month.

Four tours were provided during the month. Approximately 55 people toured the Facility representing the County Council office, The County Health Department, DEP, students from the Barnesville School and a local Cub Scout group.

Materials Recovery Facility- Approximately 1,918 tons of commingled material were shipped out after processing, and approximately 5,175 tons of mixed paper were loaded out and transferred to the Office Paper Systems processing facility.

The contractor is working on design modifications to the processing equipment.

The contractor has started the construction of the expansion of the building.

The acceptance test for the mixed paper facility was conducted, and a report is being reviewed.

Work is underway to update the presentation information in the Recycling Center conference room.

Oaks Landfill - The final punch list items for the Phase II closure has been largely reduced to reseeding certain bare spots that did not grow well and replacing several dead trees. Outstanding items of as-built documentation were submitted in late January and are under review. The County is negotiating with the contractor, who is situated in New Jersey, to put a dollar value on the final punch list items and close out the contract. A local contractor would then do these items at the County's discretion.

Cherry Hill Construction, the contractor for the Phase I closure construction achieved "substantial completion" in mid January. A couple weeks of finishing work including final grading and compaction of perimeter roads and final grading and seeding of topsoil in the last construction area are scheduled to be performed in March when warmer weather allows for completion of this type of work.

The Post-Closure Care Plan for the 30-Year post-closure period at the Oaks Landfill was prepared by the County and submitted to the Maryland Department of the Environment.

Work started on preparing a Storm Water Pollution Prevention Plan for the Oaks Landfill.

Transfer Station- During January, Ogden Martin shipped via rail 40,775 tons of processible waste from the Transfer Station to the Resource Recovery Facility, 6,766 more tons more than shipped in January 2000.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

The final update of the Storm Water Pollution Prevention Plan for the Transfer Station and the Recycling Center was completed by URS and submitted to the County.

Ogden completed working on a permanent tarping station.

The damaged switchgear associated with the new generator was replaced. The generator is fully operational and is able to support, at a minimum, two waste compactors in the event of a power outage along with general site power requirements.

Site 2 Landfill Properties – The Engineer/Architect selected for the Chiswell Farm submitted the Final Draft Report of Phase One activity. The report was delivered to FIG members in their meeting packet and discussions were held at the regular FIG meeting on January 16. A consensus was reached by FIG to proceed with the next phase of activity.

Solid Waste Facilities Master Plan – a second draft of a ten-year Master Plan expenditure is being prepared for the T&E Committee meeting in February.

Yard Trim Compost Facility – Sixty-nine (69) tons of leaves were received at Dickerson for composting. Four thousand seven hundred and ninety-nine (4,799) yards of Leafgro were sold in bulk.

Bagging Operation - In January, no bags of leafgro were produced at the facility and 9,000 bags were shipped to distributors.

Linden Farm Renovations - Under the signed bagging agreement, the County is to renovate the Feed Barn and Bank Barn by June 2001. Maryland Environmental Services (MES) is negotiating with a contractor to renovate the barns.

Out-of-County Haul

Brunswick County, Virginia - During the month of January, about 8,100 tons of ash residue and 1,310 tons of non-processible waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. Landfill in Brunswick County, Virginia. About 512 tons of rubble was recycled at the Gaithersburg Recycling Center and Clean Rock. The Division of Solid Waste Services (DSWS) has suspended use of the Gaithersburg Recycling Center (GRC) pending resolution of a zoning dispute with the Department of Permitting Services.

York, Pennsylvania

During the month of January 3,173 tons of ash residue (back hauled by rail from the RRF) were shipped from the Transfer Station to American Ash Recycling in York, Pennsylvania to be recycled into aggregate.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste- 240/777-6400

Customer Service- 240/777-6410

Transfer Station- 301/840-2370

Materials Recovery Facility- 301/417-1447- Maryland Environmental Service

Resource Recovery Facility- 240/777-6439 County Office
301/916-3031 Ogden Martin Systems of Montgomery

Yard Trim Compost Facility- 301/428-8185

Internet for DSWS - www.MCRecycles.org

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

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SOLID WASTE FACTS IN A NUTSHELL

<i>TOPIC OR FACILITY</i>	
Current Recycling Rate in Montgomery County	36.5%
Recycling Goal by 2000	50%
New Recycling Programs Scheduled for FY 01	Residential Mixed Paper Collection is now available countywide
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 tpd on an annual basis (558,450 tons/yr).
Yard Trim Composting Facility (DCF)	Operations Limited to Receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY00 tons received- 58,602
# Residences receiving trash collection by County contractors	82,599
# Residences receiving collection of recyclables in blue bins and yard waste collection	195,405
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.)

GLOSSARY OF ACRONYMS

AAR	American Ash Recycling, Inc.
APC	Air Pollution Control
ASME	American Society of Mechanical Engineers
BFI	Browning Ferris Industries
CEM	Continuous Emissions Monitoring
CIP	Capital Improvements Program
COG	Metropolitan Washington Council of Governments
CSX	Chesapeake Transportation Systems
DEP	Department of Environmental Protection
DFS	Division of Facilities and Services
DSWS	Division of Solid Waste Services
EPA	Environmental Protection Agency
FIG	Facilities Implementation Group
HCFA	Health Care Financing Administration
HHW	Household Hazardous Waste
IFB	Invitation For Bid
LTTS	Leachate Thermal Treatment System
MCPS	Montgomery County Public Schools
MDE	Maryland Department of Environment
MES	Maryland Environmental Service
mg/l	milligrams per liter
MNCPPC	Maryland National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWh	Mega Watt hours
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NTP	Notice to Proceed
OLAC	Oaks Landfill Advisory Commission
OMB	Office of Management and Budget
PEPCO	Potomac Electric Power Company
PSA	Public Service Announcement
ROL	Reduced Operating Level
RRF	Resource Recovery Facility
SCA	Sugarloaf Citizens Association
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
TCLP	Toxic Characteristic Leaching Procedure
TPD	Tons Per Day
T.R.R.A.C.	Think Reduce and Recycle at Apartments and Condominiums
WM	Waste Management
YTCF	Yard Trim Composting Facility